EXECUTIVE SUMMARY

Date Summary Prepared: September 29, 2006

Mine Name: Turquoise Stone Quarry	**I.D. Number:** M0030020
Operator: Northern Stone Supply, Inc.	**Date Original Notice Received:** December 13, 2004
Address: 203 West Main	**County:** Box Elder
P.O. Box 249	**New/Existing:** SMO expanding to LMO
Oakley, ID 83346	**Mineral Ownership:** BLM/Fee
Telephone: (208) 862-3353	**Surface Ownership:** BLM/Fee
Contact Person: Gary Mullard	**Lease No.(s):** N/A
	Permit Term: Life of Mine

Legal Description: Portions of Section 18, Township 13 North, Range 13 West, SLBM, Box Elder County, Utah.

Mineral(s) to be Mined: Quartzite

Acres to be Disturbed: Approximately 31 acres will be disturbed by this operation for mining and processing, stockpile areas, and access roads.

Present Land Use: Wildlife habitat and livestock grazing.

Postmining Land Use: Wildlife habitat and livestock grazing.

Variances from Reclamation Standards (Rule R647) Granted: No variances were requested.

Soils and Geology

Soil Description: Soil types within the project area include the Claavicon very gravelly loam and the Nieison-Bickmore-Rock Outcrop association. These soils are well-drained and average 13 inches deep over bedrock (very gravelly/stony texture). Typically 75 % of the surface is covered with rock. Topsoil was stockpiled in berms along the access roads. There was no soil salvage from the quarry areas since these areas were disturbed pre-law. Soils have been stockpiled at the mill area.

pH: pH of these soils range from 7.1 to 7.8.

Special Handling Problems: Because of the steepness and rocky nature, soils will not be salvaged from quarry areas.

Geology Description: The quarry is located on the south flank of the Raft River Mountains, in the eastern portion of the Basin and Range Province. The region consists of a series of unusual geologic configurations designated as metamorphic core complexes. During metamorphism, the sandstone and clay rock units were altered into micaceous quartzite and quartz mica schists. The main rock unit is the Elba Quartzite of Precambrian age. In the project area, this rock unit has become 'flushed' with chromium minerals which give the stone a bluish green coloration..

Hydrology

Ground Water Description: A well was completed on Millsite #2 (within the project area). water was first encountered at a depth of 45 feet. This is the lowest elevation of the project area.

Surface Water Description: Rock Creek is a perennial stream along the eastern edge of the permit area. It is diverted for irrigation just below the project area. This stream is not included on the State of Utah's 303D list. There are no other surface waters on or adjacent to the project area.

Water Monitoring Plan: None required.

Ecology

Vegetation Type(s); Dominant Species: The project area is in a transitional zone between pinyon/juniper woodlands and sagebrush shrublands. Common species include Wyoming and mountain big sagebrush, pinyon, juniper, serviceberry, curl-leaf mountain mahogany, bluegrass, fescue, needle and thread, basin wildrye, bluebunch wheatgrass, slender wheatgrass, crested wheatgrass, and along rock creek, cottonwood, chokecherry, dogwood, river birch and wild rose. Non-canopy ground cover was estimated to be 45%.

Wildlife Concerns: The area is important deer winter range (and is used by deer year-round). Small game and birds also frequent the mine area. Rock Creek provides a small fishery. For the sensitive Bonneville cutthroat trout. The Operator received an Earth Day Award from the Division for restoration of Rock Creek through the permit area. The operation is not expected to adversely affect any threatened, endangered, or sensitive species. Current use by wildlife demonstrates low impact on these species.

Surface Facilities:

Mining and Reclamation Plan Summary:

During Operations: Operations at this site are seasonal usually between April and November. Rock is quarried from several pit areas using track hoes, hand sorted and stacked on pallets for shipping. Surface rock is also gathered using rubber- tired equipment to pick up the rock. Waste materials are transported to the mill area where they are crushed for aggregate Fines from the crushing operation will be amended and used as a plant growth material for future reclamation of the site. The operator will adhere to appropriate dust control measures. Crushers are equipped with water sprays. Roads have been bermed and graded to direct any runoff from entering Rock Creek. Access to the site is restricted with fencing and locked gates.

After Operations: All mining related structures will be removed during reclamation. The Resident facilities on private ground will remain. Any above-ground pipelines will be removed. Quarry areas will be graded to a stable configuration, highwall slopes will be at an overall 45- degree slope or flatter. Fill material will be comprised of waste rock and crusher fines. The crusher and stockpile area will be recontoured to blend into the existing topography with a maximum slope of 3h/1v. Compacted areas will be ripped to a depth of 24 inches. Plant growth materials will be will be placed at a depth ranging between 6 and 12 inches, as available. Prior to seeding, soil analysis will be conducted to determine if soil amendments are necessary. All areas will be seeded with a mix of grasses, forbs and shrubs selected to meet the post mining uses of wildlife habitat and livestock grazing. The operator will conduct annual noxious weed surveys and control any outbreaks as needed.

Surety
Amount: $78,200
Form: unknown
Renewable Term: 2011

LK:pb
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